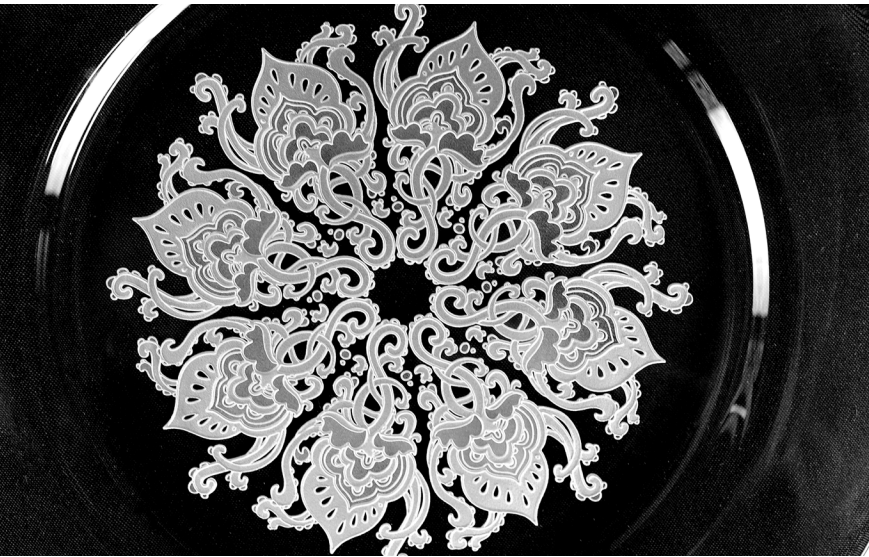


PRODUCT CATALOG





ikonicsimaging.com

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MADE IN THE USA

Made in America and distributed globally, IKONICS Imaging supplies an innovative line of sandcarvers, automated washout units, exposure units and photoresist films. IKONICS has served as an international leader in the development of imaging technologies for over 70 years. IKONICS Imaging has a rich history and we are proud to say that our products are made in the USA.

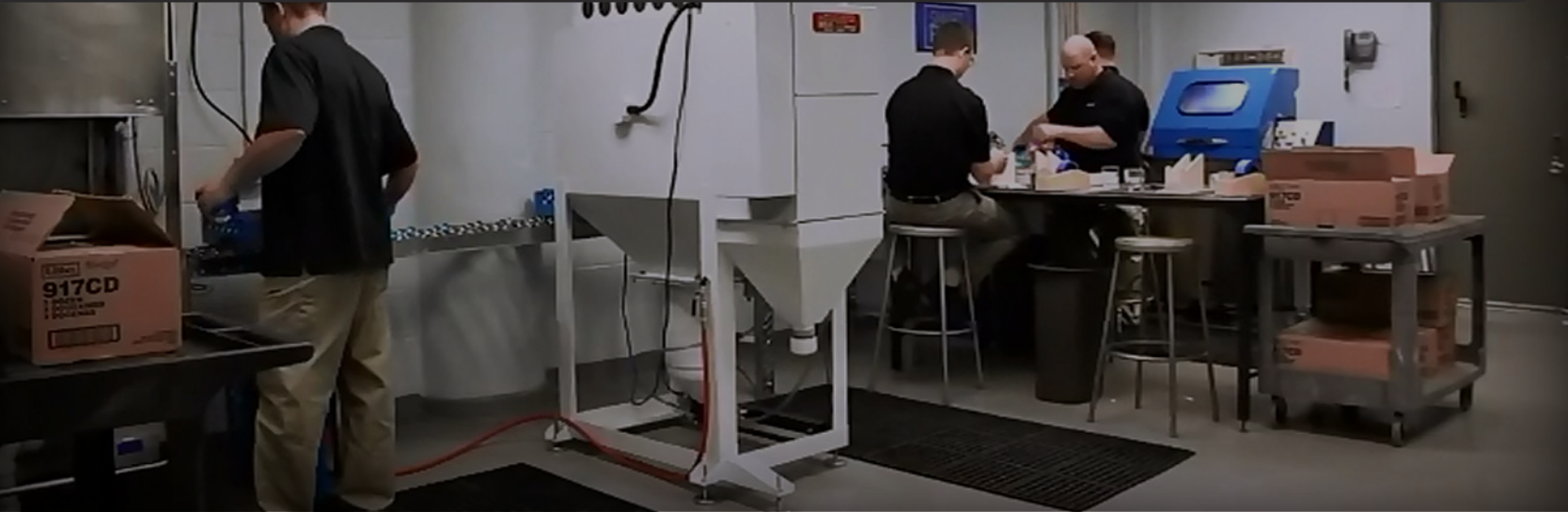
“Our CrystalBlast line represents the industry’s finest sandcarving equipment. We are proud to say they are made here in the United States. *– Peter Norman, Director of Sales*

Our complete line of photoresist films are made at our headquarters in Duluth, MN and our line of CrystalBlast® Sandcarvers and AquaBlast Washout Units are manufactured exclusively for IKONICS Imaging at Media Blast & Abrasive, Inc. in Brea, CA.

Learn more about the manufacturing process!



CAPABILITIES OF SANDCARVING



EFFICIENT

The efficiency of sandcarving begins with SmartFlex. SmartFlex is a comprehensive method that brings together all pieces of the sandcarving process, enabling the entire system to work together. The SmartFlex process stems from a long tradition at IKONICS Imaging to help customers make improvements in their production efficiency. The art department, acetate printing, mask production, application, blasting, cleaning and even packing work together in a flow, as the production team “flex” from station to station.



Scan to see
SmartFlex in
action



CLEAN

Is sandcarving clean? Absolutely. Sandcarving equipment has come a long way since the days of sandblasting rust off a car. The IKONICS Imaging CrystalBlast® line of sandcarving equipment with our patented CleanFlo technology is the most customer focused and user-friendly engineered equipment of its kind in the world. With one air change per second, operators can see clearly while sandcarving.

Crafted with the input from generations of customers of every type – from the smallest, most entrepreneurial trophy shop owner to NASA – the CrystalBlast line represents the pinnacle of sandcarving expertise. Made in America and distributed globally, the CrystalBlast line includes models across a wide spectrum of price and function.



SCAN TO VIEW THE COMPLETE
CAPABILITIES BROCHURE

WWW.IKONICSIMAGING.COM/LITERATURE

FINE DETAIL

Every sandcarving operation needs mask material. Our photoresist and laser masks produce finer detail than any other imaging method. Uniform carving of a substrate with the ability to carve lines as small as .5pt makes sandcarving with photoresist or laser mask the finest and best-looking option.



UNIQUE EFFECTS

Unique effects, attainable only through sandcarving, add elegance and value, making every carved substrate stand out among the rest. Techniques such as color filling, stagecarving and shading allow for images and textures that will be sure to turn heads.

POTENTIAL MARKETS

Market opportunities for sandcarving are as vast as they are diverse. What makes you comfortable? What makes you excited? Perhaps you have ties to a certain market—your father-in-law owns a sign company, your sister manages a gift shop, you live next to Mount Rushmore and have a thing for selling to tourists, etc. While it is important that you concentrate your efforts on markets that are commercially viable, it is equally important that you are experienced in serving them. Identify your markets and imagine the possibilities.

- Architectural Applications
- Restaurant Partitions
- Shower Doors
- Donor Walls
- Memorials
- Tabletops
- Windows
- Signage
- Drinkware
- Awards & Recognition
- Much More...



Scan to watch
Techniques as
Marketable
Choices Video



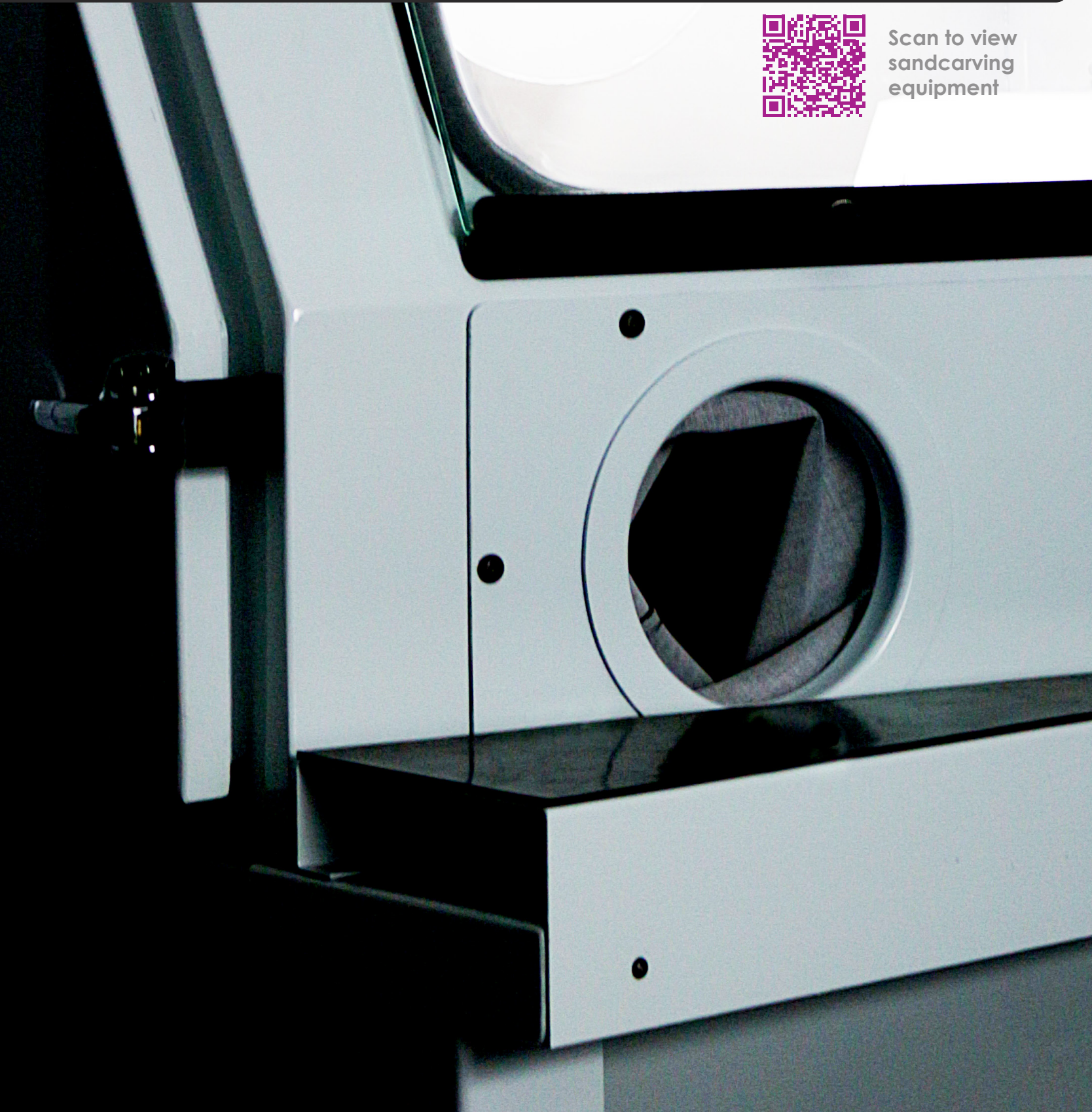
PROFESSIONAL SANDCARVING EQUIPMENT

Browse the following pages to find the best equipment option to meet your company needs.

Products also available online at www.ikonicsimaging.com.



Scan to view
sandcarving
equipment



Nothing compares to the **CrystalBlast® Elite 3.0** — The most **advanced** sandcarving machine available in the industry, utilizing Patented **CleanFlo Technology!**

Ergonomics

CleanFlo Ergonomic Clean Controls

Total ergonomics is not just an arm rest. The CrystalBlast Elite model offers controls for regulating air with a separate filter and water trap. The Elite 3.0 model also houses a semi-auto pneumatic vibration system for cleaning the dust collector. The blast pedal assembly is vertically adjustable for comfort whether sitting or standing during operation. The front padded arm rest eliminates back fatigue, a big improvement from the common padded arm ports.

Flexible Micro-hose & Tool-less Maintenance

The Elite uses the smallest size micro-abrasive hose to eliminate hand fatigue. The window, window protector, nozzle and abrasive hoses can all be replaced without tools.

Cleanliness

CleanFlo Cartridge Filtration- Largest Dust Collector Filter Area Available

The Elite model uses the most advanced dust collector available, a certified filter cartridge with 110 square feet of filter area. This large filter area creates a slow velocity through the filter for maximum filter efficiency. The pneumatic vibrator gives a more efficient filter cleaning. The side-mounted dust collector allows for installation in home studios with narrower 32" interior doors.

CleanFlo 700 CFM Exhaust Blower with Silencer

The Elite has the largest exhaust blower of any sandcarver today. The combination of the 700 CFM blower, with 110 sq. ft. certified filter cartridge, and the removable patented Cyclone 240 separator reclaimer creates rapid air change inside the cabinet with no loss of abrasive to the dust collector and no outside venting needed.

Attached CleanFlo Open Ports

No gloves required due to the cleanliness of the machine. This increases efficiency because you can front load small parts without opening the door!

Visibility

Cabinet & Inspection Lighting

The CrystalBlast Elite uses energy efficient LED lighting for clear cabinet visibility.

CleanFlo Reverse Suction

Having one air change per second and our patented CleanFlo technology, visibility is unmatched inside the cabinet, and dust stays off the window with our CleanFlo window sweep.

- * Adjustable for sitting or standing
- * Window Sweep

Efficiency

Largest Standard Cabinet Size

The Elite has the largest standard cabinet size and includes the largest standard window available today and it all fits through a standard 32" interior doorway.

CleanFlo Cyclone 240- Patented Abrasive Separator Reclaimer

Cost savings - the Elite has the only separator reclaimer capable of operation using all abrasive sizes, including 220-240 mesh.

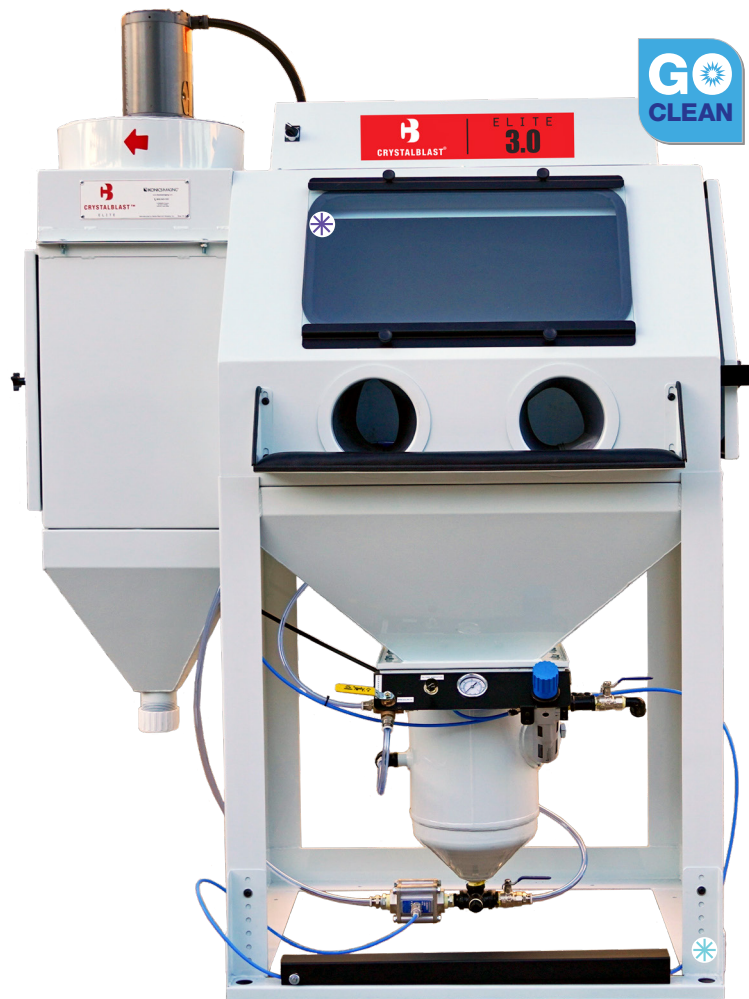
Semi-Automatic Filter Cleaning

Pneumatic vibration used for cleaning the dust collector. Eliminates the need for manual cleaning.

Innovation

Other Standard Features

In addition to the features listed, every Elite comes standard with: an inside cabinet blow-off gun for part cleaning, large cleanable air inlet filter to maximize window visibility, lockable door handle, pressure pot access port for abrasive removal and pot service, high pressure long wear industrial pinch valve, CleanFlo high velocity operator work ports for easily passed parts into and out of the cabinet, compressed air choke valve abrasive flow control, and more!



“ The best investment that I have ever made was buying my Elite. It has changed my world completely. Easy to maintain and I can count on its efficiency each and every day. ”

— Carole Kuzmick, *The Crystal Touch*



Learn More



OPTIONAL FOR ELITE 3.0 AND PRO 2.0
Cry-Discharge Kit pg. 22



CRYSTALBLAST®
ELITE 3.0

Ergonomic Design Meets World-Class Construction
Patented *CleanFlo* Technology

Truly peerless, the CrystalBlast® Elite 3.0 is the Total Ergonomic Machine designed to meet the needs of any sandcarving facility. Ergonomic features such as seated or standing operation, foot treadle, micro sized abrasive hose, fully padded armrest and large view window puts the Elite 3.0 in a class of its own.

Unique to the CrystalBlast Elite 3.0 is our Patented CleanFlo Technology, which includes a 700 cfm exhaust blower with 110 sq. ft. certified filter cartridge. The pneumatic cleaning system makes dust collector maintenance easy. All the combined features showcase the innovation and technology of the CrystalBlast Elite 3.0's design.

Features

- Pneumatic Vibration Cleaning
- 700 CFM Exhaust Blower with a 110 sq. ft. Certified Filter Cartridge
- Removable **Cyclone 220** Patented Separator
- No Outside Venting Required
- ASME 50lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Lexair High Pressure Long Wear Valve
- Micro Abrasive Hose with **Quick Disconnect** Tungsten Carbide Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- **Ergonomically Designed** for Seated or Standing Operation
- LED Lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency **ClearView®** Window Sweep Cleaning Action
- **100% Welded**— 12 and 14 Gauge Steel
- Inspection Door for Easy Inspection and Service
- Heavy Duty Lockable Door Latch
- Adjustable Height Foot Treadle
- Fits through 32" Door

Specifications

Overall Dimensions: 51"W x 79"H x 30"D
Working Dimensions: 36"W x 24"H x 24"D
Door Opening: 19"W x 19"H
Window with Protector: 24"W x 13.5"H
Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
Air—1/8" Nozzle: 8.4 CFM @ 30 PSI
Air Compressor Requirements: 10 CFM @ 90 PSI
Air Supply - 1/2" Female NPT on Machine
Abrasive Hose: 3/8" OD Ergonomic Whip

Air Hose: 1/4" Pipe Connect
Lighting: LED
Electrical: 120V/20AMP/60Hz
Separator Reclaimer: 220 Mesh
Dust Collector: 700 CFM, 110 sq/ft
Pneumatic Vibrator Cleaning
Approx. Ship Weight: 550 lbs
Patent Number: 7,008,304



CRYSTALBLAST®
PRO 2.0

The Perfect Work-horse For Any Sandcarver
Patented *CleanFlo* Technology

The CrystalBlast Pro 2.0 features enhanced dust collector filtration with pneumatic filtration cleaning. The Pro 2.0 is specially crafted to help eliminate maintenance operating with simple controls allowing many successful years of sandcarving. The Pro 2.0's simple controls and ease of maintenance allow the sandcarving technician to focus on production gaining a larger return on investment.

The Pro 2.0's cabinet height, window location, window slope and padded armrest are designed to allow for easy seated or standing operation. The Pro 2.0 is among the most popular, work-horse units in the CrystalBlast product line.

Features

- Pneumatic Vibration Cleaning
- 550 CFM Exhaust Blower with a 110 sq. ft. Certified Filter Cartridge
- Removable **Cyclone 180** Patented Separator
- No Outside Venting Required
- ASME 50 lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Lexair High Pressure Long Wear Valve
- Micro Abrasive Hose with **Quick Disconnect** Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- **Ergonomically Designed** for Seated or Standing Operation
- LED Lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency **ClearView®** Window Sweep Cleaning Action
- **100% Welded**— 12 and 14 Gauge Steel
- Inspection Door for Easy Inspection and Service
- Complete with Machine Wheels
- Fits through 32" Door

Specifications

Overall Dimensions: 51"W x 81"H x 30"D
Working Dimensions: 36"W x 24"H x 24"D
Door Opening: 19"W x 19"H
Window with Protector: 24"W x 13.5"H
Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
Air—1/8" Nozzle: 8.4 CFM @ 30 PSI
Air Compressor Requirements: 10 CFM @ 90 PSI
Air Supply - 1/2" Female NPT on Machine
Abrasive Hose: 3/8" OD

Air Hose: 1/4" Pipe Connect
Lighting: LED
Electrical: 120V/20Amp/60Hz
Separator Reclaimer: Cyclone 180
Dust Collector: 550 CFM, 110 sq/ft—
Certified Filter Cartridge
Approx. Ship Weight: 500 lbs
Patent Number: 7,008,304



Check out the features of the Pro 2.0



CRYSTALBLAST®
PRO 1.0

The Marriage of Economy and Design
Patented CleanFlo Technology

The CrystalBlast Pro 1.0 is a cost effective, professional level sandcarver for all applications. It contains a removable gravity separator plate to efficiently prevent abrasive loss during sandcarving using a 150 mesh grit or larger.

The Pro 1.0's cabinet height, window location, window slope and padded armrest are designed to allow for easy seated or standing operation. The Pro 1.0 is among the most popular, sandcarving work-horse units in the CrystalBlast product line.

Note: machine above shown with optional caster wheels.

Features

- Pneumatic Vibration Cleaning
- 110 CFM Vacuum Exhaust Blower with a 110 sq. ft. Certified Filter Cartridge
- Removable gravity separator plate
- No Outside Venting Required
- ASME 50 lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Bluemax Industrial Pinch Valve
- Micro Abrasive Hose with Quick Disconnect Tungsten Carbide Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- Ergonomically Designed for Seated or Standing Operation
- LED Lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency ClearView® Window Sweep Cleaning Action
- 100% Welded—12 and 14 Gauge Steel
- Inspection Door for Easy Inspection and Service
- Fits through 32" Door

Specifications

Overall Dimensions: 51"W x 73"H x 30"D
Working Dimensions: 36"W x 24"H x 24"D
Door Opening: 19"W x 19"H
Window with Protector: 24"W x 13.5"H
Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
Air Compressor Requirements: 10 CFM @ 90 PSI
Air Supply - 1/2" Female NPT on Machine
Abrasive Hose: 3/8" OD

Air Hose: 1/4" Pipe Connect
Lighting: LED
Electrical: 120V/20AMP/60Hz
Separator Reclaimer: Cyclone 150
Dust Collector: 110 CFM, 110 sq/ft—Certified Filter Cartridge
Approx. Ship Weight: 500 lbs
Patent Number: 7,008,304



See the CrystalBlast Pioneer in action!



CRYSTALBLAST®
PIONEER

Entry-Level Cabinet Packed with Features
Patented CleanFlo Technology

The CrystalBlast Pioneer is a 100% welded 12 and 14 gauge CRS (Cold Rolled Steel) direct pressure sandcarving machine designed with easy to use controls. The Pioneer cabinet is sized for quick, easy movement from location to location using the included cabinet wheels. The Pioneer is also easy to clean and easy to operate making it the ideal second addition to shops currently sandcarving or that lower cost entry machine.

Note: machine above includes VAC-110 dust collector.

Features

- VAC-120 w/ 110 sq.ft. filter area
- Removable gravity separator plate
- No Outside Venting Required
- ASME 50 lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Bluemax Industrial Pinch Valve
- Micro Abrasive Hose with Quick Disconnect Tungsten Carbide Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- Ergonomically Designed for Standing or Seated Operation
- LED Lighting
- Safety Glass with Window Protector
- High efficiency ClearView® Window Sweep Cleaning Action
- 100% Welded—12 and 14 Gauge Steel
- Fits through 32" Door

Specifications

Overall Dimensions: 26"W x 67"H x 24.5"D
Working Dimensions: 24"W x 24"H x 24"D
Side Door Opening: 19"W x 19"H
Window with Protector: 15.5"W x 13.5"H
Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
Air Compressor Requirements: 10 CFM @ 90 PSI
Air Supply - 1/2" Female NPT on Machine
Abrasive Hose: 3/8" OD minimum

Electrical: 120V/20AMP/60Hz
Lighting: LED
Dust Collector: 100 CFM, 110 sq/ft—Certified Filter Cartridge
VAC-120 w/ 110 sq.ft. filter area
Approx. Ship Weight: 350lbs
Patent Number: 7,008,304



TAPLESS PORT
mounted inside
(learn more pg. 22)



CRYSTALBLAST®
SUMMIT

Learn
More

Exemplified Smartcarving Construction

Patented *CleanFlo* Tapeless Technology

The CrystalBlast Summit exemplifies smartcarving construction, a cabinet style that blends traditional and contemporary sandcarving. Simple design elements true to the CrystalBlast line remain. Modern additions include Patented CleanFlo Tapeless Technology, automated controls improving abrasive flow and dust collection and the largest viewing window in the CrystalBlast family.

Simply hold your substrate outside the cabinet in the CleanFlo Tapeless port system and begin sandcarving. The innovative port system eliminates the need to protect a substrate with tape—a truly unique feature. With interchangeable templates, the port system supports small and large blasting areas, and can be closed-off for traditional blasting needs. Combine additional CleanFlo features and the result is a machine that reinvents sandcarving. The Summit sits atop the peak of the CrystalBlast roster.

Features

- Pneumatic Vibration Cleaning
- Hopper Vibration Button
- 700 CFM Exhaust Blower with a 220 sq. ft. Certified Filter Cartridge
- Removeable **Cyclone 220** Patented Separator
- ASME 50 lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Vibrator Pot-Loading Fill
- Lexair High Pressure Long Wear Valve
- Micro Abrasive Hose with **Quick Disconnect** Tungsten Carbide Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- LED Lighting
- Full-View Laminated Viewing Window with Protector Glass
- **100% Welded**—12 and 14 Gauge Steel
- Heavy Duty Lockable Door Latch
- Removable Front Opening for Arm Ports or Optional Split Brush Port
- Complete with Machine Wheels
- Tapeless Interchangeable Port System

Specifications

Overall Dimensions: 44"W x 86"H x 38"D
Working Dimensions: 24"W x 30"H x 36"D
Side Door Opening: 15"W x 25.5"H
Window with Protector: 31"W x 16"H
Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
Air—1/8" Nozzle: 8.4 CFM @ 30 PSI
Air Compressor: 10 CFM @ 90 PSI
Air Supply - 1/2" Female NPT on Machine
Lighting: LED

Abrasive Hose: 3/8" OD Ergonomic Whip
Electrical: 120V/20AMP/60Hz
Vibrator Cleaning Cycle: 50 or 60 Cycle Available
Dust Collector: 700 CFM, 220 sq/ft—
Certified Filter Cartridge
Dust Collector Upgrade: 440 sq/ft
Approx. Ship Weight: 780 lbs
Patented Numbers: 7,008,304 & 9,623,539



CRYSTALBLAST®
4828



High Efficiency Production for Large or Small Pieces

Patented *CleanFlo* Technology

The CrystalBlast 4828 is our largest in-stock sandcarver at 48" wide. The large cabinet size and front work port allow for high efficiency production in a wide variety of industries. This blaster is perfect for the Awards Industry due to the ease of loading pieces in and out of the work port quickly and efficiently. It is also great for the Sign and Monument Industries because of the large cabinet size and open-front design. Get your large or small pieces done fast with our CrystalBlast 4828.

Our CrystalBlast 4828 is designed for sandcarving larger panels, allowing the operator to work the entire part surface using the front brushed operator work port and full width window. The unique slit rubber curtain seals against the brushes allowing the operator to move from one side to the other while the grit is securely contained within the cabinet.

Features

- Pneumatic Vibration Cleaning
- 700 CFM Exhaust Blower with a 220 sq. ft. Certified Filter Cartridge
- Exhaust Blower Silencer for Larger CFM Volumes
- Removeable **Cyclone 220** Patented Separator
- ASME 50 lb Capacity Pressure Pot with CleanFlo Access Port
- Two-stage Positive Sealing Operator Work Port with Inside Brushes and Outside Slit-Rubber Curtain
- Pneumatic Assisted Abrasive Pot Loading Circuit
- Three Way Pot Valve Circuit for Quick Pot Re-loading Cycle
- Lexair High Pressure Long Wear Valve
- **ClearView®** Operator View Window
- Available with Optional Side Access Door
- Safety Door Interlock Switch
- Machine Stability Casters

Specifications

Overall Dimensions: 50"W x 90"H x 52"D
Working Dimensions: 48"W x 36"H x 28"D
Door Opening: 42"W x 30"H
Window with Protector: 36.5"W x 14.5"H
Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
Air—1/8" Nozzle: 8.4 CFM @ 30 PSI
Air Compressor Requirements: 10 CFM @ 90 PSI
Air Supply - 1/2" Female NPT on Machine

Lighting: LED
Abrasive Hose: 3/8" OD
Electrical: 120V/20AMP/60Hz
Dust Collector: 700 CFM, 220 sq/ft—
Certified Filter Cartridge
Dust Collector Upgrade: 440 sq/ft
Approx. Ship Weight: 800 lbs
Patent Number: 7,008,304



CRYSTALBLAST®
MONUBLAST

Direct Pressure Machine for the Stone Carving Industry
Patented *CleanFlo* Technology

Made for the stone carving industry, the CrystalBlast MonuBlast Direct Pressure Machine has been designed for Production Stone Carving using direct pressure. Direct Pressure Machines have a more concentrated blasting pattern and higher frictional heat than siphon models. They can carve stone faster using a smaller abrasive pattern with less compressed air.

Direct Pressure Machines offer what no siphon can match, depth of carving and reduced mask failure. The rear mounted negative pressure dust collector uses the most advanced cartridge filtration, resulting in effortless automatic pneumatic cleaning cycle assembly. This ensures a longer machine duty cycle, cleaner work area and longer blower service life. The replaceable cartridge style filter includes 440 Sq.Ft. of dust storage filter surface and cleans using an automatic timed vibrator cycle. The capacity to store dust with semi-automatic pot loading is what makes this machine the right choice for carving marker stones.

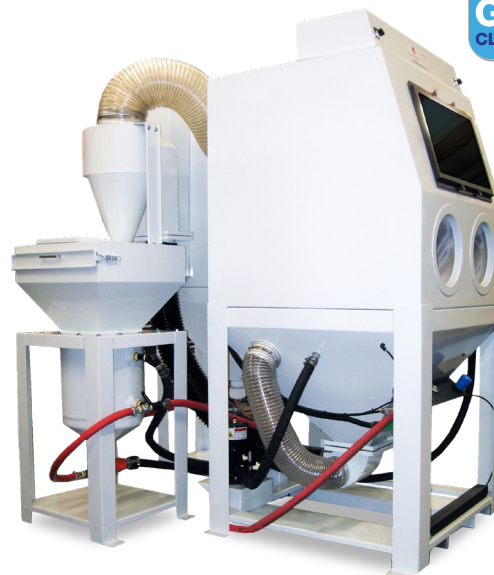
Features

- Timed Automatic Pneumatic Vibrator Cleaning Cycle
- Exhaust Blower Silencer
- 440 Sq. Ft. Cartridge Dust Collector
- 3.5 Cubic Foot Dust Storage Hopper
- Removeable **Cyclone 220** Patented Separator
- Pressure Pot Blow-Down Controls for Instant On and Instant Off Cycle
- 9 Sq.Ft. Perforated Scalper Screen
- Choke Valve Fine Turn with Long Wear Flow Control Valve
- Boron Carbide Blast Nozzle
- LED Cabinet Lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency **ClearView®** Window Sweep Cleaning Action
- Huge Angled View Window for Greater Operator Visibility
- 2hp, 1100 CFM, High-Voltage, Single Power Source Electrical
- Square Cabinet Design for Taller Inside Cabinet Height
- Safety Door Interlock Switch
- Increased Door Height for Taller Stones
- Raised Operator Height for Inside Mobile Work Cart
- Inside Mobile Work Cart with Polyethylene Turntable Top and Tracks

Specifications

Overall Dimensions: 44"W x 102"H x 66"D
Working Dimensions: 48"W x 48"H x 36"D
Side Door Opening: 30"W x 40"H
Window with Protector: 31"W x 16"H
Air—3/16" Nozzle: 31 CFM @ 60 PSI
Air—1/8" Nozzle: 14 CFM @ 60 PSI
Air Compressor: 25 to 60 CFM @ 60 PSI
Air Supply - 1/2" Female NPT on Machine

Lighting: LED
Abrasive Hose: 3/4" OD with 1/2" Whip
Electrical: Single Power High Voltage
Dust Collector: 1100 CFM, 440 sq/ft—MERV Tested Filter Cartridge
Dust Collector Upgrade: 880 sq/ft
Approx. Ship Weight: 1200 lbs
Patent Number: 7,008,304



CRYSTALBLAST®
MASTER

Complete Customization Meets High Production
Patented *CleanFlo* Technology

The CrystalBlast Master line is not one single model but a customized sandcarving machine that meets your needs for safe, efficient operation using the abrasive size, pot run time, dust collector requirements and abrasive flow controls right for your application.

These custom machines offer more than 80 additional options for easy part handling and reduced machine maintenance. Many different cabinet sizes are available using a wide range of nozzle ID sizes with the right dust collector for all applications. The dust collector on the Master models can upgrade to a HEPA after filtration for cell operation and many include the automatic cleaning cycles or an upgraded automatic reverse pulse cleaning feature.

Larger pressure pots permit larger nozzle use and higher machine duty cycle operation. Additionally, the Master models can be purchased without the self-contained dust collector for operation using one of our much larger stand-alone automatic cleaning cartridge collectors. You can also use one larger stand-alone dust collector to operate multiple sandcarving cabinets.

Features

- Automatic DC cleaning Cycle
- Pneumatic Abrasive Conveyor
- 1100 CFM Exhaust Blower with a 440 sq. ft. Certified Filter Cartridge
- Removable **Cyclone 220** Separator with Clean-Out Port
- ASME 100 lb Capacity Pressure Pot with Clean-Out Port
- Automatic or manual abrasive Pressure Pot loading
- Pressure pot blowdown controls
- Inspection port
- Removable scalper screen
- Micro flow control valve
- Hi - Low Blasting in one cycle
- Safety door interlock and blow off
- Inlet filter block off plates
- LED Cabinet lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency **ClearView®** Window Sweep Cleaning Action
- **100% Welded**—12 and 14 Gauge Steel
- 10 inch work ports
- Full foot treadle
- Single power source

Specifications

Overall Dimensions: Upon Request
Working Dimensions: Upon Request
Side Door Opening: Upon Request
Window with Protector: Upon Request
Air—3/32" Nozzle: Upon Request
Air—1/8" Nozzle: Upon Request
Air Compressor Requirements: Upon Request
Air Supply - 1/2" Female NPT on Machine

Lighting: LED
Abrasive Hose: 3/4" OD with 1/2" Ergonomic Whip
Electrical: High Voltage Single Power Source
Dust Collector: 440 sq/ft 1100 CFM Blower
Approx. Ship Weight: Upon Request
Patent Number: 7,008,304



CrystalBlast® Pro X2 vs. Competitor

Our original CrystalBlast sandcarver, the CrystalBlast 3624, was introduced in 2003. It featured an abrasive separator reclaimer, padded armrest, window sweeps, industrial on/off pinch valve, choke valve abrasive adjustment and many other features that were unique to the industry at that time. You now see these features being used today on the competitors' Brand X machine.

While the two units are comparable, the CrystalBlast Pro X2 model has a long list of features that are more numerous than Brand X. With CleanFlo technology, a cleaner and more user-friendly sandcarving experience is created with the CrystalBlast Pro X2. The most important feature on any sandcarving machine is the dust collector. With the IKONICS Imaging CleanFlo design, the working environment is much cleaner and more comfortable. Take a look at the chart below and discover why the CrystalBlast Pro X2 is better than the competition—you be the judge!



Features	CrystalBlast Pro X2 <i>shown above</i>	Brand X
Cabinet Size	36"W x 24"H x 24"D « Larger cabinet size	34"W x 24"H x 22"D
Window Size	24" x 13-1/2" « Larger view window	24" x 12"
Window Protector	Yes	Yes
Blower CFM	550 CFM Blower « Larger dust collector = Cleaner	1/4 HP 400 CFM
Lighting	LED Flood Light, 30 Watt « More energy efficient	Dual Halogen
Separator Efficiency	0-180 Mesh « Finer detail	120-150
Removable Patented Cyclone 180	Yes « Changeable	No
Dust Collector Filter	110 sq. ft. Certified Cartridge « Longer run time	15 sq. ft.
Dust Storage	Hopper, 1-1/2 Cubic Feet	Hopper
Dust Collector Cleaning Cycle	Pneumatic Vibrator	Manual Cleaning
Armrest	Full Padded Armrest « More ergonomic	Padded Ports Only
Door Sizes	19" x 19" door opening size	20" x 21" door size
Abrasive Hose Size	ERGO Micro Whip, 3/8" O.D.	3/4" OD
Work Ports	Open, No Elastic	Open with Elastic
Pressure Pot	50# ASME Coded, .8 Cubic Foot	50# ASME Coded
Pot Valve Release	Yes, Automatic (<i>manually closed</i>)	Yes
Pot Access Port	Yes « Easier to maintain and clean	No
Nozzle Type	3/32" Roctec	3/32" Tungsten
Nozzle Replacement	Quick Change « Less down time	Tools Required
Cabinet Construction	100% Welded 12 and 14 gauge	100% Welded 14 gauge
Locking Caster Wheels	Yes	Yes
Footswitch w/Industrial Pinch	Yes, 3-way	Yes
Air Filter-Regulator-Water Trap	Yes, Cluster	Yes
Dual Hose Entry for Right or Left	Yes	Yes
Paint	Epoxy Low VOC	Powder Coated
Outside Venting Needed	No	Yes

For the sandcarver that wants all the extras, look beyond the CrystalBlast Pro X2 and Brand X to the **CrystalBlast Elite 3.0**. There's no comparison to the **CrystalBlast Elite 3.0** on the market. It's simply the most advanced sandcarver machine available today—it has no equal.



The Perfect Workhorse For Any Sandcarver
Patented CleanFlo Technology

The CrystalBlast Pro X2 features enhanced dust collector filtration with a semi-automatic pneumatic filtration cleaning cycle. The Pro X2 is fabricated and built to help eliminate maintenance operating with simple controls allowing many successful years of sandcarving.

The Pro X2's cabinet height, window location, window slope and padded armrest are designed to allow for easy seated or standing operation. The dual door design also allows for easy access from both sides of the cabinet. The Pro X2 is among the most popular, work-horse units in the CrystalBlast product line.

Features

- Pneumatic Vibrator Dust Collector
- 550 CFM Exhaust Blower with a dual 110 sq. ft. Certified Filter Cartridge
- Removeable **Cyclone 180** Patented Separator
- ASME 50 lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Lexair High Pressure Long Wear Valve
- Micro Abrasive Hose with **Quick Disconnect** Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- **Ergonomically Designed** for Seated or Standing Operation
- LED Lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency **ClearView®** Window Sweep Cleaning Action
- **100% Welded**—12 and 14 Gauge Steel
- Rear Mounted Dust Collector, **double door option**
- Double Door Option for Easy Loading
- Complete with Machine Wheels

Specifications

Overall Dimensions: 38.25"D x 35.5"W x 81"H
 Working Dimensions: 36"D x 24"W x 24"H
 Door Opening: 19"W x 19"H
 Window with Protector: 24"W x 13.5"H
 Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
 Air—1/8" Nozzle: 8.4 CFM @ 30 PSI
 Air Compressor Requirements: 10 CFM @ 90 PSI
 Air Supply - 1/2" Female NPT on Machine
 Abrasive Hose: 3/8" OD

Air Hose: 1/4" Pipe Connect
 Lighting: LED
 Electrical: Standard
 Separator Reclaimer: Cyclone 180
 Dust Collector: 550 CFM, 90 sq/ft—Certified Filter Cartridge
 Air Compressor Requirements: 10 CFM @ 90 PSI
 Patent Number: 7,008,304



Extended Capabilities and Ergonomic Design Meets World-Class Construction
Patented CleanFlo Technology

Small Footprint, Large Carve! The CrystalBlast® Elite X3 Extended is the Total Ergonomic Machine designed to meet the needs of any sandcarving facility. Offering ergonomic features such as seated or standing operation, adjustable foot treadle, eye level machine controls, micro sized abrasive hose, fully padded armrest and large view window puts the Elite X3 Extended a cut above the rest. The removable back allows operators to sandcarve large substrates such as monuments and signs. This large rear processing port as well as the height-adjustable, side-to-side glide tray, allow for maximum carving range with the smallest machine footprint. From tiny substrates to full size windows and doors, the Elite X3 Extended offers a full range of carving flexibility.

Unique to the CrystalBlast Elite X3 Extended is our Patented CleanFlo Technology, which includes a 700 cfm exhaust blower with 110 sq. ft. certified filter cartridge. The Elite X3 Extended also contains a removable, patented, Cyclone 240 separator reclaimer that prevents the loss of even the smallest abrasive up to 240 mesh. The Elite X3 Extended includes LED lighting and high pressure long wear industrial Lexair valve for easy operation. All the combined features showcase the innovation and technology of the CrystalBlast Elite X3 Extended's design.

Features

- Pneumatic Vibration Cleaning
- 700 CFM Exhaust Blower with a 110 sq. ft. Certified Filter Cartridge
- **Cyclone 240** Patented Separator
- Capable of using 220 grit
- Dustless work area
- ASME 50lb Capacity Pressure Pot with Clean-Out Port
- Pot Scalper Screen
- Lexair High Pressure Long Wear Valve
- Micro Abrasive Hose with **Quick Disconnect** Tungsten Carbide Nozzle
- Air Regulator, Filter, Water Trap and Gauge
- **Ergonomically Designed** for Seated or Standing Operation
- LED Lighting
- Full-View Laminated Viewing Window with Protector Glass
- High efficiency **ClearView®** Window Sweep Cleaning Action
- **100% Welded**—12 and 14 Gauge Steel
- Smart Access Door for Easy Inspection/Service
- Heavy Duty Lockable Door Latch
- Inside welded tube support frame
- Large Rear Part Processing Port with height-adjustable, side-to-side glide tray
- Outside reverse suction seal for rear part processing port
- Adjustable Height Foot Treadle
- Fits through 32" Door
- Quiet operation

Specifications

Overall Dimensions: 51"W x 73"H x 30"D
 Working Dimensions: 36"W x 24"H x 24"D
 Door Opening: 19"W x 18"H
 Safety Plate Window: 24"W x 13.5"H
 Window with Protector: 24"W x 13.5"H
 Rear Part Processing Port: 23"W x 14.5"H
 Air—3/32" Nozzle: 5.7 CFM @ 30 PSI
 Air—1/8" Nozzle: 8.4 CFM @ 30 PSI
 Air Compressor Requirements: 10 CFM @ 90 PSI

Air Supply - 1/2" Female NPT on Machine
 Abrasive Hose: 3/8" OD Ergonomic Whip
 Air Hose: 1/4" Pipe Connect
 Lighting: LED
 Electrical: 120V/20AMP/60Hz
 Separator Reclaimer: Patented Cyclone 240
 Dust Collector: 700 CFM, 110 sq/ft
 Pneumatic Vibrator Cleaning
 Approx. Ship Weight: 620 lbs



CRYSTALBLAST®
NAVIGATOR

Say **YES** to Large Projects
Patented *CleanFlo* Technology

The CrystalBlast Navigator is our largest sandcarver and is built-to-order. This pass-through sandcarving unit allows part navigation through the unit using “hopper-less” machine technology. The Navigator uses special technology to lower the operating height of the machine track, creating a larger sandcarving area that is perfect for the Architectural Industry.

The Navigator allows for a more accommodating process area by engineering the part conveyor track to raise and lower, keeping the sandcarving area centered. The Navigator comes standard with an 8” track section but available with optional tracks lengths.

Features

- ASME Coded 50 lb Capacity Pressure Generator w/Cleanout Port
- 3-Way Valve For Faster Pot Loading
- LED Cabinet Lighting with Rear Wall Back Lighting
- High efficiency *CleanView*® Window Sweep Cleaning Action
- 12 & 14 Gauge CRS (Cold Rolled Steel) Construction
- Operator Panel Front Door Assembly with 8” Ports and Gloves
- Brush Ports for Front Access Part Loading
- Lockable Refrigerator Door Handle
- Inside Pop-up Perforated Work Gate
- Panel Cabinet for Pass Through Part Processing
- Part Velocity Slots
- Pneumatic Conveyor with High Efficiency Cyclone Reclaimer
- 8’ Adjustable Roller Track Assembly with 10” Roller Spacing
- Foot Operated Blast Control Pedal with Guard
- Stability Legs
- Fork Lift Lifting Channels
- **Many More...**Ask Your Representative for a Full List

Specifications

Overall Dimensions: 96”W x 68”H x 48”D
 Working Dimensions: 72”W x 48”H x 24”D
 Door Opening: 30”W x 18”H
 Air—3/32” Nozzle: 5.7 CFM @ 30 PSI
 Air—1/8” Nozzle: 8.4 CFM @ 30 PSI
 Air Compressor Requirements: 10 CFM @ 90 PSI
 Air Supply - 1/2” Female NPT on Machine
 Abrasive Hose: 3/8” OD
 Abrasive Conveyor: Pneumatic Conveyor Assembly

Lighting: Inside Fluorescent
 Electrical: 230V/60Hz/1Ph
 Separator Reclaimer: Cyclone 0-240 mesh
 Dust Collector: 1100 CFM exhaust blower with silencer, 440 sq/ft- Certified Filter Cartridge w/ pneumatic cleaning cycle
 Approx. Ship Weight: 1,800 lbs
 Patent Number: 7,008,304



CRYSTALBLAST®
EXPANDED CABINET

Larger Than the Standard with **Many Options to Choose From**
Patented *CleanFlo* Technology

The CrystalBlast® Expanded cabinets accommodate larger items that often do not fit inside standard size cabinets. This model also includes smaller flow controls used to keep that abrasive flowing properly during standard sandcarving applications using a 3/32” nozzle size to keep the frictional heat at a minimum.

Often you just need a larger cabinet size to close the door on the part being processed. The most common Expanded Cabinet sizes are square with the depth and width the same. This often allows a fixed turntable or a mobile turntable to be added to the machine for heavy parts or part rotation during sandcarving.

These units are not to be confused with the CrystalBlast Master Production Models that include larger faster nozzle sizes, much larger dust collectors and larger abrasive flow control circuits.

The larger the cabinet the less the hopper slope and many of the Expanded models include the hopper vibrator pot loading assist circuit to help feed abrasive back into the pressure pot assembly.

Features and specifications can vary based on the Expanded Cabinet option that is chosen at the time of purchase. Contact your sales representative to discuss all options and features.



CRYSTALBLAST®
NEXUS

Where Sandcarving Meets Effortless Automation
Patented *CleanFlo* Technology

The CrystalBlast Nexus is the next generation in sandcarving. The Nexus introduces a whole new world of sandcarving with its ability to automate sandcarving and sandetching. It is programmable, customizable, clean and built to order. It has been designed and engineered for ease of use and operation.

It has never been easier to produce a large production run with precise, repeatable, and accurate results in a fraction of the time. The CrystalBlast Nexus can be purchased with our standard 2-cartridge dust collector option, or it can be upgraded for higher duty-cycle needs. Contact us to discover which options are best for you.

Features

- CleanFlo automated sandcarving machine
- Machine controls, dust collector, nozzle selection, blast start, emergency stop with programmable controls AB PLC
- Shuttle conveyor with easy load and unload at same location for one operator
- Multi-directional blasting with fast programmed return for unload and load
- Smart spring nozzle height adjustment
- LED Lighting
- A/B programmable cycle controls for blast cycle
- Programable automatic pressure pot abrasive loading
- Access door for service and load, complete with safety door interlock switch
- SmartFlo shuttle cart vacuum table with soft cushion top for part hold-down
- Faster part production
- SmartView Observation Window
- Abrasive use as fine as 220 mesh abrasive for fine detail films
- 2 - 12" x 24" fixture racks
- Optional: Larger Pressure Pot sizes for multiple nozzle operation

Specifications

Blast Cabinet Footprint: 67"W x 56"D x 85"H
 Pressure Generator Footprint: 25"W x 29"D x 70"H
 Air Compressor: Varies based on setup and use.
 Starting at 30 cfm @ 100 psi, 1- 2 nozzle usage of 1/8" to 3/16"
 Electrical: 120V/20AMP/60Hz -
 High Voltage Programmable A/B Controls
 Dust Collector: varies
 SmartFlo shuttle cart vacuum table: 24" x 24"

Conveyor: Shuttle type - Shuttle drive to 700 mm, linear drive with stepper motor control, .75 to 60" per minute
 Oscillator to 700 mm, linear drive with servo motor control, 15 to 120 feet per minute linear nozzle speed
 Pneumatic Pressure Generator with one cubic foot pressure pot standard
 Separator Reclaimer: External Cyclone

Multiple Setup Options...

4 Hour Duty Cycle

- CrystalBlast Nexus
 - 2-cartridge dust collector
- The perfect combination for businesses looking for the smallest footprint unit, but needing the flexibility for large production runs.



8 Hour Duty Cycle

- CrystalBlast Nexus
 - 4-cartridge dust collector
- Ideal for high-volume production companies, planning on operating the Nexus for up to 8 hours per day. Utilizes 1 Nexus machine with a 4 cartridge dust collector.



8+ Hour Duty Cycle

- 2 CrystalBlast Nexus
 - 6-cartridge dust collector
- Ultra high-volume production, utilizing 2 Nexus machines with our high efficiency 6 cartridge dust collector. Recommended for companies requiring extremely high production output



DUST COLLECTORS

The benefits of a free standing dust collector for use with CrystalBlast® sandcarving equipment are numerous!

Cleanliness

Optimal Filtration

Vertically installed filters use gravity to help remove 100% of the dust collected on the filters, ensuring the cleanliness of your blast cabinet. While filtering dust from the sandcarver, the dust collector can also act as an air purifier. All Dust Collector Models equipped with 440 sq.ft. of filter surface and higher have the option to be equipped with HEPA After Filters, for optimal air purification.

Efficiency

Large Dust Storage Hopper

A large dust storage hopper reduces blast machine service, saving time and ensuring that the blast unit is operating at maximum production capabilities. Cabinets with small dust collector filter dust storage area must be cleaned more frequently than larger filter surface areas.

High-Capacity

Large Dust Hopper and Multiple Connection Options

A free standing dust collector is ideal for a shop running multiple blast cabinets, guns, or extended blasting operations. Utilizing a high-capacity dust hopper and multiple unit ports, a free standing dust collector keeps shops running at maximum capacity and efficiency.



Productivity

Automatic Dust Collection

By utilizing a high capacity hopper and allowing the blast cabinet operator to focus on production, rather than maintenance, a free standing dust collector can boost productivity.

Visibility

Consistent Air Movement

A free standing dust collector creates a more consistent air movement from the cabinet chamber for consistently great visibility.

Affordability

Reduce In-cabinet Dust Collectors

A free standing dust collector saves money by replacing multiple in-cabinet dust collectors.

4 & 6 – Cartridge, Automatic Reverse/Pulse Dust Collectors

Features

- Adjustable Legs
- Leg Lag-Pads
- 2 Service Access Doors
- 2 Dust Inlets
- Large Dust Storage Hopper
- 20 Gallon Dust Waste Drum
- Automatic Reverse Pulse Cleaning Cycle
- Pulse Amplification Nozzles
- Manual Pulse Cleaning Over-Ride Controls
- Outside Serviceable Pulse Valves
- Integrated Vacuum Cleanup
- Magnehelic Monitor Gauge
- 2HP Blower with Silencer
- Optional 3HP and 5HP Blower
- Optional HEPA After Filtration

Specifications

Overall Dimensions: 36"Dx 48"W x 113"H
Footprint: 48"x36"
Dust Collector: 1100 CFM, 880 sq/ft or 1320sq/ft—Certified Filter Cartridge
Approx. Ship Weight: 1100 lbs or 1350lbs

SANDCARVER ACCESSORIES

IKONICS Imaging is your *Total Solutions Supplier* for quality sandcarving equipment and accessories. IKONICS Imaging offers a wide variety of photoresist support products, creating sandcarving efficiency with the CrystalBlast® line of equipment.

Browse the complete accessories roster online at www.ikonicsimaging.com.



Tapeless Port Insert

Employing SmartCarving Construction and Patented CleanFlo technology, the Tapeless Port Insert takes any CrystalBlast sandcarving machine and completely eliminates the time-consuming taping process. Once photoresist is applied to the substrate, simply use DuraMold putty as the mold, connect the mold to the Tapeless Port Insert and sandcarve.

Features

- Fits any 36" width or larger CrystalBlast Sandcarving machine
- On-Off magnets secure insert to machine grate
- Multiple face-plates available
- Ergonomically angled to reduce blasting fatigue
- Professionally painted and finished

Specifications

Overall Dimensions: 21.67"L x 9.48"W x 11.67"H
Window Dimensions (without attached plates): 14.68"L x 8.15"H



Cry-Discharge Kit

The Cry-Discharge Kit is specifically designed to make the cleanest sandcarving machine on the planet, even cleaner. Built for the CrystalBlast Elite, the Cry-Discharge Kit is an accessory to the Elite dust collection system, but can also be used on any of our CrystalBlast sandcarving machines. The bagless kit easily connects to the dust hopper creating a completely self-contained cleaning system.

Features

- Fits any CrystalBlast Sandcarver
- Secondary dust hopper for production
- Bagless kit
- Self-contained cleaning system
- 3.5 gallon capacity

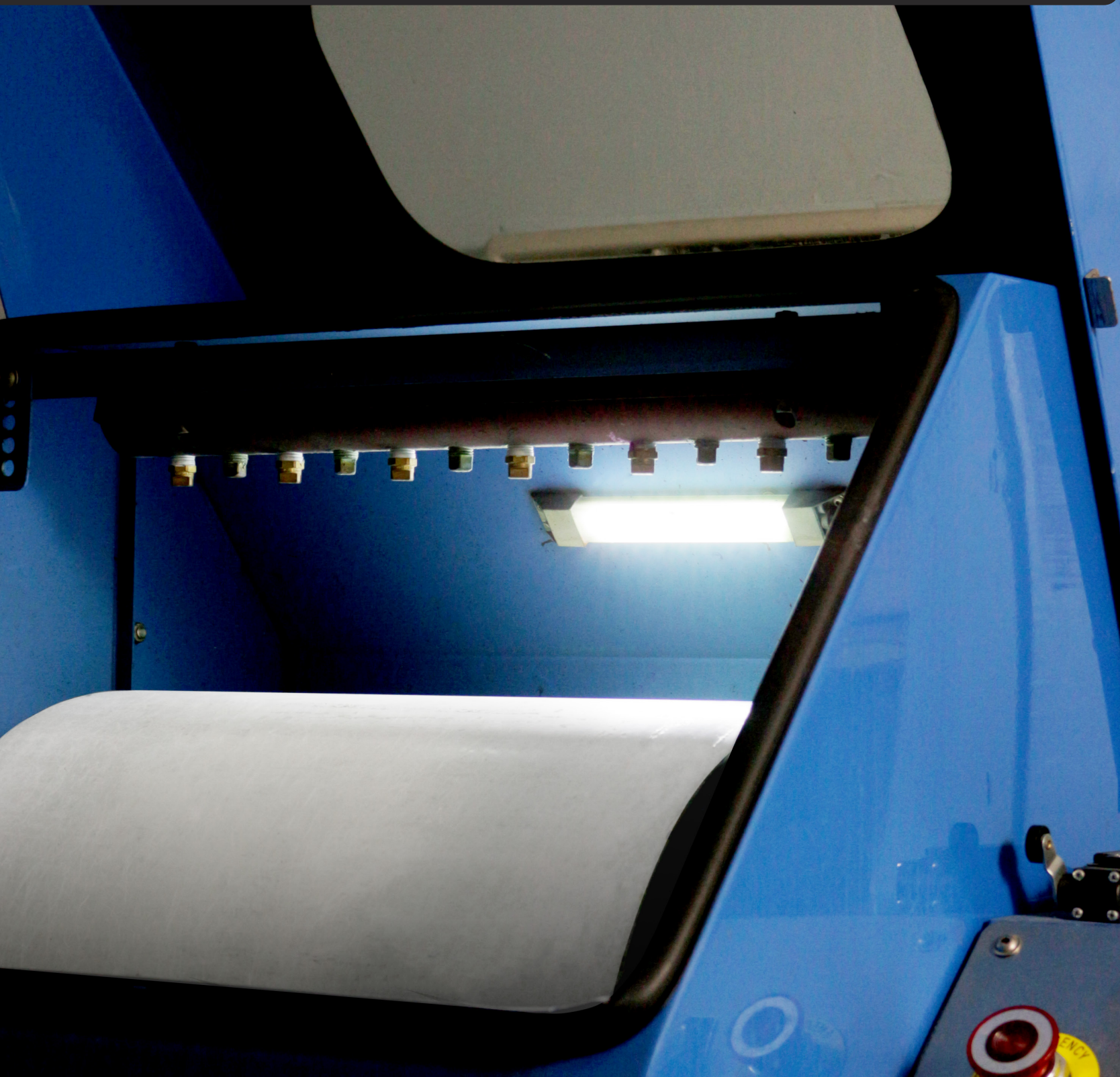


Scan to view
sandcarving
Accessories

AUTOMATED WASHOUT EQUIPMENT

The IKONICS Imaging AquaBlast® line of automated washout equipment is the latest in a quarter-century history of customer-driven innovation. With patent-pending SmartFlo technology, the AquaBlast® machines uses approximately 1/3 of the water compared to competitive models and up to 80% improvement in overall energy savings.

Browse the following pages or see more online at www.ikonicsimaging.com.





AQUABLAST®
ELITE 2.0

Save water. Save time. Save money.
Patented *SmartFlo* Technology



See It
In Action!

The AquaBlast Elite 2.0 was designed using valuable feedback from experienced professionals who were unhappy with the limitations, mess, and running costs of their existing machines.

With the Patented SmartFlo Design, the AquaBlast Elite 2.0 is the industry's cleanest and most efficient automated washout machine. Combining the SmartFlo Eco-Pump technology with SmartFlo Nozzles, the AquaBlast Elite washes out masks faster than existing models, while using up to 80% less water, making the AquaBlast® Elite the first truly "Green" automatic washout machine.

In addition to faster washouts and significant water savings, the SmartDrain System keeps the surface of the machine clean and dry, allowing full and easy view of the SmartFlo Ergo-Clean control panel, which is located at eye-level.

Features

- SmartFlo Eco-Pump Technology — High Washout Pressure
- SmartFlo Nozzles — Low Water Usage
- SmartFlo Illumalite Inspection Window with LED Lighting
- SmartFlo Adjustable Manifold — Adjustable Height Washout Manifold
- SmartDrain System
- SmartFlo Ergo-Clean Controls
- Machine Casters for Portability
- No Water Tank Needed — Eliminates Heat and Humidity Loss
- White Powder Coated Drum

Specifications

Overall Dimensions: 44"W x 59"H x 32"D
Washout Zone: 15"W x 50"L—up to 18"W
Washout Drum Size: 6.28 sq/ft (expandable)
Water Drain Connection: 1.5" (includes air gap)
Water Usage: 3.9 GPM
Monitor Gauges: Pressure and Water Temp

Electrical: 220V Single Phase/18AMP
GFI Circuit Required
Cabinet Construction: Stainless Steel
Approx. Ship Weight: 710 lbs
Patent Numbers: 9,682,585 & 10,221,567



AQUABLAST®
PRO

Save water. Save time. Save money.
Patented *SmartFlo* Technology



Learn
More

The AquaBlast Pro was designed for mid-size facilities that typically use 1-4, 100 ft. rolls of film per month and want to make their process more efficient by automating their washout. The AquaBlast Pro uses up to 1/5 of the water and washes masks faster than competitive automatic washout equipment. That savings, combined with faster washout equals more than 80% water savings.

With the Patented SmartFlo Design, the AquaBlast line is the industry's cleanest and most efficient automated washout machine available. Combining the SmartFlo Eco-Pump technology, with the SmartFlo Nozzles, the AquaBlast Pro washes out masks faster, while calling for only 2 ¼ gallons of water per minute, making the AquaBlast Pro the "Greenest" automatic washout machine available.

Features

- SmartFlo Eco-Pump Technology: High Washout Pressure
- SmartFlo Nozzles — Low Water Usage
- SmartFlo Inspection Window
- SmartFlo Adjustable Manifold — Adjustable Height Washout Manifold with Expandable Washout Zone
- SmartDrain System
- SmartFlo Ergo-Clean Controls
- Machine Casters for Portability
- No Water Tank Needed — Eliminates Heat and Humidity Loss
- White Powder Coated Drum

Specifications

Overall Dimensions: 47"W x 27"D
Washout Zone: 12"W x 38"L—up to 14"W
Washout Drum Size: 3.7 sq/ft (expandable)
Water Drain Connection: 1.5" (includes air gap)
Water Usage: 2.25 GPM

Electrical: 120V Single Phase/20AMP
GFI Circuit Required
Cabinet Construction: Stainless Steel
Approx. Ship Weight: 535 lbs
Patent Numbers: 9,682,585 & 10,221,567

PROCESS SYSTEMS

The ready-to-use Process Systems include an exposure unit, artwork materials and features the most innovative photoresist films available on the market. These process systems are made to pair perfectly with any of the CrystalBlast® Sandcarving Systems.



Combo Process System

This economical system provides the necessary tools and equipment to enter the exciting world of sandcarving. The Combo Process System contains top-of-the-line photoresist films, including both dry-processing and wash-out films. The Combo Process System includes everything below, it does not include a sandcarving unit.

Combo Process System Includes:

- Letralite Exposure Unit, 11" x 14" Image Area
- Combo-30 Pack:
 - UltraPeel HD (3.5 mil): 10" x 12", 5-Sheets
 - UltraPeel (5 mil), 10" x 12", 5-Sheets
 - RapidMask HD (2 mil), 10" x 12", 5-Sheets
 - RapidMask HT (4 mil), 10" x 12", 5-Sheets
 - R3 (3 mil), 10" x 12", 5-Sheets
 - R5 (5 mil), 10" x 12", 5-Sheets
- UP Silicone Release Paper, 10" x 12", 50-Sheets
- AccuBlack® Inkjet Film, 8.5" x 11", 20-Sheets
- RapidMask Test Kit
- Squeegee
- Trigger Jet Nozzle
- Wire Wheel



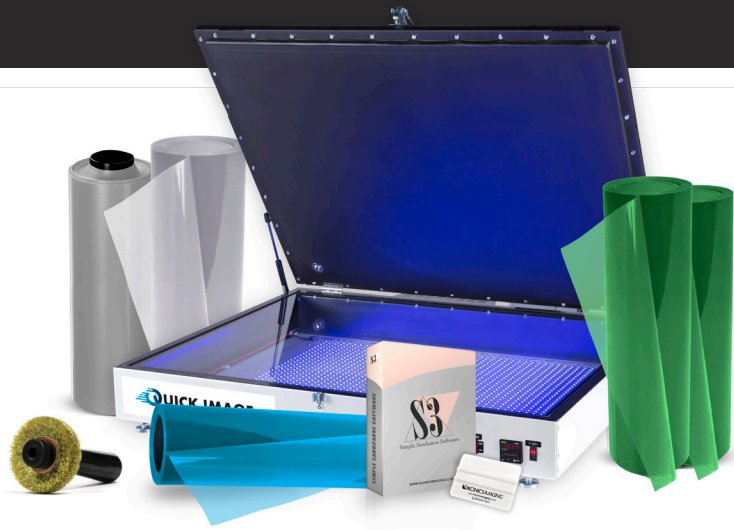
RapidMask® Process System

The RapidMask Process System includes everything you need to try out our dry process system. RapidMask dry processing, self-adhesive, photoresist films are by far the most innovative films available. With fine detail halftone making ability and strong blast resistance, the combination of RapidMask High Detail and RapidMask High Tack provide an effortless sandcarving experience. Take the hassle out of washing out your photoresist film with our RapidMask dry processing film.

RapidMask Process System Includes:

- Letralite Exposure Unit, 11" x 14" Image Area
- RapidMask HD (2 mil), 10" x 12", 10-Sheets
- RapidMask HT (4 mil), 10" x 12", 10-Sheets
- AccuBlack Inkjet Film, 8.5" x 11", 20-Sheets
- RapidMask Test Kit
- RapidMask Instructional DVD
- Squeegee
- Wire Wheel

I just love how easy the RapidMask films are. And with the 4mil you can still carve decently deep to get a nice 3D image. – Zumglass



MonuBlast Process System

The MonuBlast Process System includes everything you need to get started with large format sandcarving. The process system is specially designed for large format projects and includes everything needed to get started and go big.

The Quick Image exposure unit offers a large surface area to expose wide-format photoresist film. This tabletop exposure unit delivers fast, uniform exposures when working with UltraVinyl and RapidMask®. R5 photoresist film is an advanced film that provides the quick and easy no-weed ability of a washout film. RapidMask films are the only dry processing films available on the market today. With fine detail halftone making ability and strong blast resistance the combination of RapidMask High Detail and RapidMask High Tack provide an effortless sandcarving experience.

MonuBlast Process System Includes:

- Quick Image 2631 Exposure Unit
- R5 (5 mil) 14" x 25' roll
- RapidMask HD - 26" x 10' roll
- RapidMask HT - 26" x 10' roll
- AccuBlack® - 24" x 100' roll
- Release Paper - 26" x 100' roll
- S3 Simple Sandcarve Software
- Wire Wheel
- Squeegee



Scan to view
Process
Systems



PHOTORESIST FILMS

The lifeblood of any sandcarving operation is the photoresist. The finest equipment and the most talented operator are rendered incompetent when the photoresist fails to perform, ruining valuable substrates, wasting critical time and compromising profitability. The most successful sandcarving businesses recognize this imperative. IKONICS Imaging has spent more time, more Research & Development dollars, more intellectual property and more corporate energy developing its world-leading line of photoresist films.

See the following pages that highlight the best-selling, best-performing photoresist films in the world. Learn more at www.ikonicsimaging.com.



Scan to view
Photoresist Films

PHOTORESIST FILM: COMPARISON BY THICKNESS

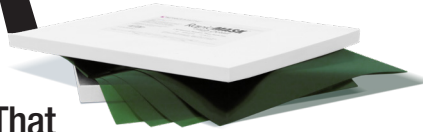
FILM	2mil	3mil	3.5mil	4mil	5mil	10mil
DRY PROCESS FILM						
RapidMask® Dry process film. No washout required. 2mil is designed for high detail artwork. 4mil is a high tack version. Both are good for halftones.	X			X		
WASHOUT FILMS						
R-Series Comes in three thicknesses: 3mil, 4mil and 5mil. This film is great for stage-carving because it is easy to remove. Also, easy to reposition.		X		X	X	
UltraPeel UltraPeel is the perfect mask for color filling or paint filling. Easy to reposition and holds fine details. This is our easiest film to remove without needing to soak.			X		X	
DEEP ETCHING WASHOUT FILMS						
PBVinyl PBVinyl is a non-adhesive film, so you will need to apply a blastable adhesive. It is more flexible/pliable and works good on textured stone (120-220 mesh).						X
UltraVinyl This self-adhesive film is best for coarse grit (60-120 mesh) on stone and smooth polish finishes. It is rigid and durable for deep etching ability.						X

World's ONLY Dry Process Film!



Scan to see
RapidMask
in action

RapidMASK®



The **Only** Photoresist Film on the Market That
Requires Absolutely **No Washout**.

RapidMask dry processing, self-adhesive, photoresist films are by far the most innovative films available. With fine detail halftone making ability and strong blast resistance, the combination of RapidMask High Detail and RapidMask High Tack provide an effortless sandcarving experience. Take the hassle out of washing out your photoresist film and try RapidMask today!

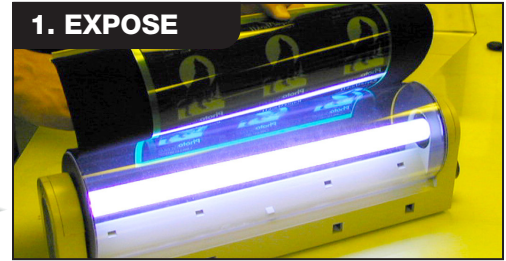
Features

- Dry Processing
- Self-Adhesive
- Fine Detail Halftone Making Ability
- Strong Blast Resistance
- No Washout Necessary
- Effortless Sandcarving
- Two Options Available:
High Detail & High Tack
- Save Time & Resources
- Hassle Free
- Increase Productivity
- Easy Removal



RapidMask is my favorite film!!
The RapidMask HD is great for
all my jewelry items that have
tiny lettering. I absolutely love
not having to washout my film
and that it can be used on glass,
metal, ceramic and stone.

— Michelle, Crystal Empress



Washout Films



Rapid Washout. Repositionable. **High Resolution**.

Our R-Series photoresist films — R3 (3 mil), R4 (4 mil) and R5 (5 mil) — make decorative sandcarving simple, productive and enjoyable. The R-Series films are engineered for professional sandcarving applications in which quick processing and high production are critical. R3, R4 and R5 promote efficient mask production by eliminating the time consuming and messy application of adhesive.

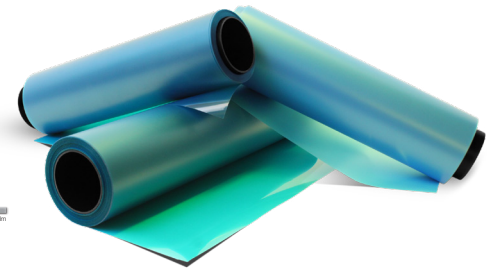
R-Series Features

- Self-Adhesive
- High Resolution
- Repositionable
- Fast Washout

“R3 film has been a lifesaver with time management and easy application. I am able to cut the time in half for the entire sandcarving process!” — Michaella, Sandcarver



Scan to learn
more about the
washout process.



Simple. Productive. **Enjoyable**.

UltraPeel photoresist film is the ideal film selection for the sandcarver looking to decorate an etched substrate with color. UltraPeel is repositionable, features incredible blast durability and creates a perfect paint filling mask. Plus, once the paint decorating is complete, UltraPeel easily peels away. Decorate your substrate today with UltraPeel photoresist film.

UltraPeel Features

- Perfect Mask for Paint Filling
- Amazing Repositionability
- Incredible Blast Durability
- Notably the Finest Detail Ability
- Tremendous Integrity for Peeling after Blasting

Deep Etching Washout Films

PBVinyl™
10 Mil Sandblast Mask

Photoresist for Unique Deep Etching Projects

PBVinyl is the photo-imageable film alternative for those unique projects that require extra adhesion. When used with sandcarving application adhesive, PBVinyl 10 mil photoresist film provides the deep etching ability of vinyl without the hassle of weeding.

Features

- No Weeding
- Excellent Resolution
- Deep Etching
- Superior Durability
- Easily Removable
- Water Soluble



UltraVinyl™
No-Weed Sandblast Mask

Superior Adhesion for Deep Etching on Porous Surfaces

UltraVinyl No-Weed Sandblast Mask makes decorative sandcarving simple. The film is repositionable until firmly applied to a substrate. UltraVinyl allows you to efficiently create your sandblast mask instantly, while reducing production time by completely eliminating the adhesive application and weeding steps. This provides fast etching throughout the entire sandcarving area. UltraVinyl photoresist film is available in 10 mil (250 micron) thickness.

Features

- Excellent Resolution - Achieve Finer Detail and Sharper Images Versus Vinyl
- No Weeding
- Deep Etching Ability
- Superior Durability
- Repositionable



Re-Usable Stencil Washout Films



IKONART®
smart screen stencil

Re-Usable Photoresist Stencil Film for color-fill Requires Absolutely No Sandcarving.

Turn your own custom designs into reusable silkscreen stencils that can be used for screen printing, glass etching, wood burning, color-filling without sandcarving, and more. Ikonart Stencil Film and Ikonart Textile Film is the perfect addition to your sandcarving shop to help you expand your personalized product line. Best yet, it uses the same familiar washout process and exposure equipment that all our sandcarving films use.

Our original Ikonart Stencil Film is designed to be used to create custom, reusable silkscreen stencils. These blue stencils are perfect for glass, mirrors, ceramic, chalkboards and other smooth, flat surfaces. The adhesive is gentle enough so the stencils won't distort when you are removing them from these types of smooth surfaces.

Our purple Ikonart Textile Film is designed to create custom, reusable silkscreen stencils. This purple film is just like our original blue Ikonart Stencil Film but stickier and slightly more rigid, which makes it the perfect film for printing on fabric, wood, and other textured or difficult surfaces.



Features

- Reusable
- Customizable
- Easy-To-Use
- Repositionable
- Perfect for glass, mirrors, ceramic, chalkboards and other hard, flat surfaces
- Mesh Count: 120
- Thickness: 4.5 mils



- Reusable
- Customizable
- Easy-To-Use
- Repositionable
- Perfect for fabric, textiles, wood and textured surfaces
- Mesh Count: 110
- Thickness: 6.5 mils

Laser Films



See Blazer Orange in action!



Economy Meets **Function**

Blazer Orange combines the convenience of your laser engraver with sandcarving to create beautifully etched glass and crystal. IKONICS Imaging Blazer Orange Laser Mask is a sandblastable laser mask designed to create stencils for the high end corporate promotional products and giftware industries. Find out why Blazer Orange is the laser mask of choice.

Features

- Amazing durability
- Conformability without distortion
- No excess residue
- Excellent resolution
- Higher contrast on substrates
- With easy removal, color filling is a snap
- No PVC

Apply. Laser. **Blast.**

Combine the convenience of your laser engraver with the look of sandcarving to create a beautifully etched substrate. IKONICS Imaging Laser Tape is a sandblastable laser mask designed to create stencils for the high-end corporate promotional products and giftware industries.

Features

- No PVC
- Fast and Simple Clean Up
- Quick Burn
- Easy to Color-fill After Sandblasting
- Conforms Smoothly to Surfaces—No Wrinkling
- Available in 4 mil



Strong | Durable | Dependable

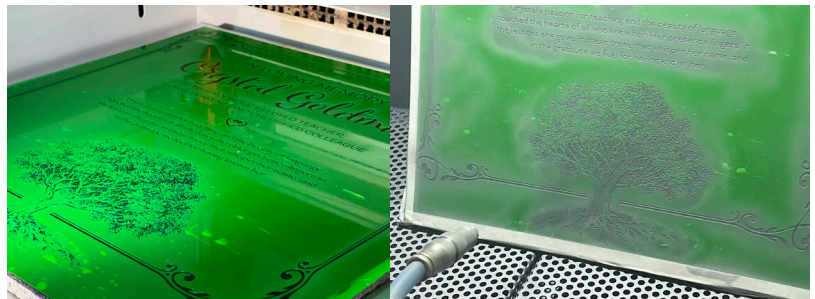
Detail Meets **Durability**

Laser THICK mask is specially designed for CO2 laser engravers seeking a deeper etch or a more tenacious adhesive for their stencils. Our Laser THICK mask offers a substantial advantage with its thicker composition and enhanced adhesive, making it an ideal choice for an array of surfaces, including stone, brick, crystal, wine bottles, powder-coated metal, ceramics, wood, and a diverse range of substrates.



Features

- Fast and simple clean up
- Quick burn
- Easy to colorfill after sandblasting
- Conforms smoothly to surfaces without wrinkling
- Thick, durable mask for outstanding depth and detail
- Enhanced adhesive
- High contrast on substrates
- No PVC



ART & MASK MAKING SUPPLIES

Fully appreciating the process-rich nature of any sandcarving operation, IKONICS Imaging has been hailed as the *Total Solutions Supplier* longer than any other suppliers serving the industry have been in business. This history has allowed IKONICS Imaging to concentrate on manufacturing “support products” that are every bit as critical to the sandcarving process as equipment, photoresist films, training and education. The AccuArt line of water-resistant, ink-jetable photopositive films, along with LaserTape, sandblastable laser mask, are the industry standard.



The Only Software Designed Specifically For The Sandcarving Industry

S3 Simple Sandcarve Software is the ONLY software available that was created specifically with the sandcarving industry in mind. S3 provides the necessary tools and features to effortlessly create artwork without additional and unnecessary distractions found within other software programs. If you feel overwhelmed by all the options and settings in other artwork design programs, S3 Simple Sandcarve Software is your solution!

Features

- Create halftones with ease
- Convert images and logos to vector art
- Invert art with just one click
- Intuitive and easy to use



Scan to learn more

Inkjet & Laser Printer Films



Water-Resistant Inkjet Film for Dye Based Systems

AccuBlack™ water resistant inkjet film is specifically engineered for the creation of high-quality film positives and negatives – the perfect media for production settings where artwork positives and negatives need to be used repeatedly.

Features

- For use with Dye and Pigment Inks
- Excellent Density and Clarity – DMAX up to 4.2 and DMIN .07
- Ink Dries Instantaneously



Positive FX

Features

- Compatible with Most Laser Printers and Professional Photocopiers
- Achieve Line Resolution of at Least 15 mil
- Obtain Superior Density Over Acetate Transparencies



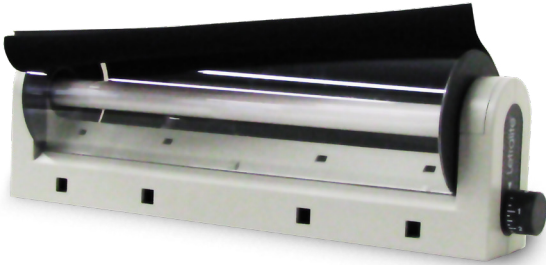
UV II Vellum

Features

- Create Photopositives In-house
- Compatible with Most Laser Printers and Professional Photocopiers
- Achieve Line Resolution of at Least 15 mil
- Obtain Superior Density Over Acetate Transparencies

EXPOSURE UNITS

Exposure units are necessary to effectively process IKONICS Imaging photoresist films. From the beginner to the professional, these exposure units are built and tested to create photoresist success.



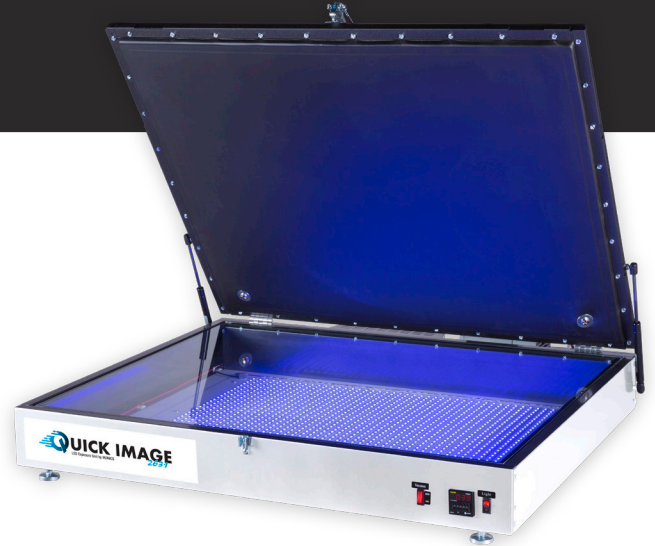
Letralite

Compact With Fast Exposure

The Letralite Exposure Unit is designed to provide exceptional imaging results on all IKONICS Imaging photoresist films. The unit's unique compact cylindrical design makes it simple to operate and assures consistent results when used properly. Refer to individual photoresist user guides for specific processing information.

Features

- Image Area: 11" x 14"
- Product Dimensions: 18"L x 3"W x 7"H
- 110 volt, 60 cycle
- Exposure pad
- Light Bulb Exposure Cylinder



QUICK IMAGE™

LED Exposure Unit by IKONICS

Quality Exposure Made Easy

The Quick Image Exposure Unit is available in two sizes. Both sizes feature LED strips that operate at lower temperatures and can last over 50,000 hours with light that never degrades. Startup and cool down times are eliminated because the LED bulbs start and stop immediately at the press of a button on the easy-to-operate digital control timer. These tabletop units deliver fast, uniform and high-resolution exposures for fine line detail. The Quick Image Exposure Unit will reduce your set up times, energy costs and overall cost of ownership.

Features

- Large exposing surface
- Available in two sizes: 26" L x 21" W and 26" L x 31" W
- Fast, uniform and high resolution exposures
- Long lasting LED light strips (over 50,000 hours)
- Reduce set up times & energy costs
- Easy-to-operate digital control timer
- Powerful, oil-free vacuum pump
- Gas shock operated blanket frame for easy opening
- Enclosed ridged fiberboard for tighter exposure to thin films



**BUY
TODAY!**

MASK MAKING & TRAINING SERVICES

IKONICS Imaging offers hands-on training and education with The College of Photoresist Sandcarving. The most successful entrepreneurs and most acclaimed artists intuitively understand that ongoing training, education and ideation are essential for long-term productivity and value creation. IKONICS Imaging also offers mask making services. ProMask provides professionally imaged photo-stencils to decorators seeking quick turn-around and easy-to-use stencil production.

ProMask

Made-To-Order Masks in Three Easy Steps

ProMask allows decorators to bid on jobs that have been previously unattractive due to the high cost of labor, size, restrictions, and the general impracticality of producing high-detailed imagery. ProMask provides professionally imaged photo-stencils to decorators seeking quick turnaround and easy-to-use stencil production. ProMask accommodates fine-line, high-detail artwork or deep-carved imagery with the time-saving advantage of no weeding or picking.



1. Upload Artwork

Upload your artwork or we can produce it for you. For complete details view our Artwork Specifications Outline online.



2. Receive The Mask

We will create a mask based on the artwork specifications and send you the mask.



3. Apply Mask & Blast

Our easy-to-use sandcarving stencils can accommodate fine lines, high details, and deep carving.



Continued Training & Education

IKONICS Imaging offers a wide variety of training, education and tools to provide customers with advice from our experts in sandcarving. From hands-on training, to online training and marketing tools, IKONICS Imaging professional level seminars and tools will help transform a beginner into a professional.

Sandcarving Schools & Tools

- Professional level sandcarving classes
- Sharpen your sandblasting skill-set
- Go from beginner to professional
- Learn the business of high profit sandcarved products
- Merging Technologies - Learn to use sandcarving alongside existing alternate technologies such as laser engraving and UV printing to increase ROI and offer a superior in-store option to customers.

SMARTFLEX PROCESS

In 2013, IKONICS Imaging introduced the SmartFlex process, a high efficiency production process enabling the entire sandcarving system to work together. This process has been adopted by numerous IKONICS Imaging customers to create efficiency in their shops.



The **SmartFlex** process stems from a long tradition at IKONICS Imaging to help customers make improvements in their production efficiency. This comprehensive method brings together all pieces of the sandcarving process, enabling the entire system to work together and not independently. All parts work together in a flow, as the production team "flex" from station to station.



Scan to see
SmartFlex in
action

HISTORY OF IKONICS IMAGING



Scan to learn
more about
Ikonart

- 2022** IKONICS Imaging introduces the Hydrokon Water Transfer film product line. Offering blank printable hydrographic film to the global market.
-
- 2021** Ikonart Smart Screen Stencil introduces Ikonart Stencil Glaze for the Cake and Cookie Decorating market.
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- 2020** Ikonart Smart Screen Stencil introduces Ikonart Textile Film for the DIY Screen Printing market.
-
- 2019** The Ikonart Smart Screen Stencil product line hits the Global Creative Arts market with the Ikonart Custom Stencil Kit. IKONICS Imaging introduces MMHD film, a photo-imageable sandblast mask similar to MMX, but designed for higher detailed masks within the monument industry.
-
- 2018** IKONICS Imaging introduces the CrystalBlast® MonuBlast machine, designed specifically for the Monument Industry. The Quick Image exposure unit was also released in two sizes. This exposure unit reduces set up times, energy costs and overall cost of ownership. IKONICS Imaging also introduced S3 Simple Sandcarve Software - the ONLY software available that was created specifically with the sandcarving industry in mind.
-
- 2017** IKONICS Imaging introduces the CrystalBlast® Pro X2 and the AquaBlast® Pioneer. The X2 is an upgraded version of the existing CrystalBlast® Pro made to function both with North American businesses as well as foreign companies using different electrical standards. The AquaBlast® Pioneer replaced the old tabletop version with a larger, more capable unit while still keeping the price low for smaller, low production businesses.
-
- 2016** IKONICS Imaging introduces the CrystalBlast® Master, the world's only customizable, high-production sandcarving machine. With over 80 customized options, this machine is truly about efficiency. IKONICS Imaging also introduced the Lake Superior Glass - HollowWare line of affordable, high-quality crystal, including barware, stemware, decanters, bowls, pitchers, awards and more.
-
- 2014** IKONICS Imaging introduces the latest advancement in sandcarving technology: The CrystalBlast® Summit. This new sandcarving cabinet utilizes tapeless technology, enabling businesses to increase production rate with the same superb quality that all CrystalBlast® sandcarving machines offer.
-
- 2013** IKONICS Imaging introduces the all new AquaBlast® line of automatic washout equipment. Consisting of the AquaBlast® Elite and the AquaBlast® Pro, this tightly engineered equipment line is a game-changer, allowing for dramatically improved production efficiency, water savings and ergonomic comfort.
-
- 2011** IKONICS Imaging launches the improved CrystalBlast® Elite, the world's most finely engineered sandcarver, rounding out the CrystalBlast® product line to accommodate every price range and every functional demand.
-
- 2004** IKONICS Imaging partners with California-based company, MediaBlast & Abrasive, Inc., to produce the industry leading CrystalBlast® line of sandcarving equipment and washout units.
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- 2002** PhotoBrasive changes its name to IKONICS Imaging to go along with the corporate name change to IKONICS Corporation.
-
- 1997** PhotoBrasive develops the first self-adhesive photoresist for sandcarving known as UltraPro.
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- 1992** Using similar core photo chemistry technology, the company successfully launches PhotoBrasive Systems®, finding immediate success in decorative sandcarving within the awards and recognition, signage and personalized gift industries. Within three years, PhotoBrasive Systems leads the world in the engineering, manufacturing and sales of photostencil products in its target markets.
-
- 1982** In a move foreshadowing the company's hallmark culture, ChromaGlo, sensing an opportunity to capitalize on a fortuitous combination of new intellectual property and market readiness, altered its business model, morphing from screen printer to manufacturer/supplier of screen printing stencil products, immediately turning competitors into customers. Reflecting this change, the Chromaline Corporation was born. Within a decade, Chromaline is established as a premier brand in the screen printing industry and a strong commitment to international sales is embraced, paving the way, for what is now, a full third of IKONICS' revenue.
-
- 1964** ChromaGlo developed and patented a novel photo chemical-based printing process—the “direct/indirect” method, revolutionizing the screen printing process, which had not been fundamentally altered for centuries.
-
- 1952** The company now known as IKONICS, began as “ChromaGlo, Inc.,” a screen printing operation concentrating on the precision printing of metalized labels with a unique “glow” characteristic that made the labels more visible and therefore more attractive to its manufacturing clientele.



IKONICS IMAGING®

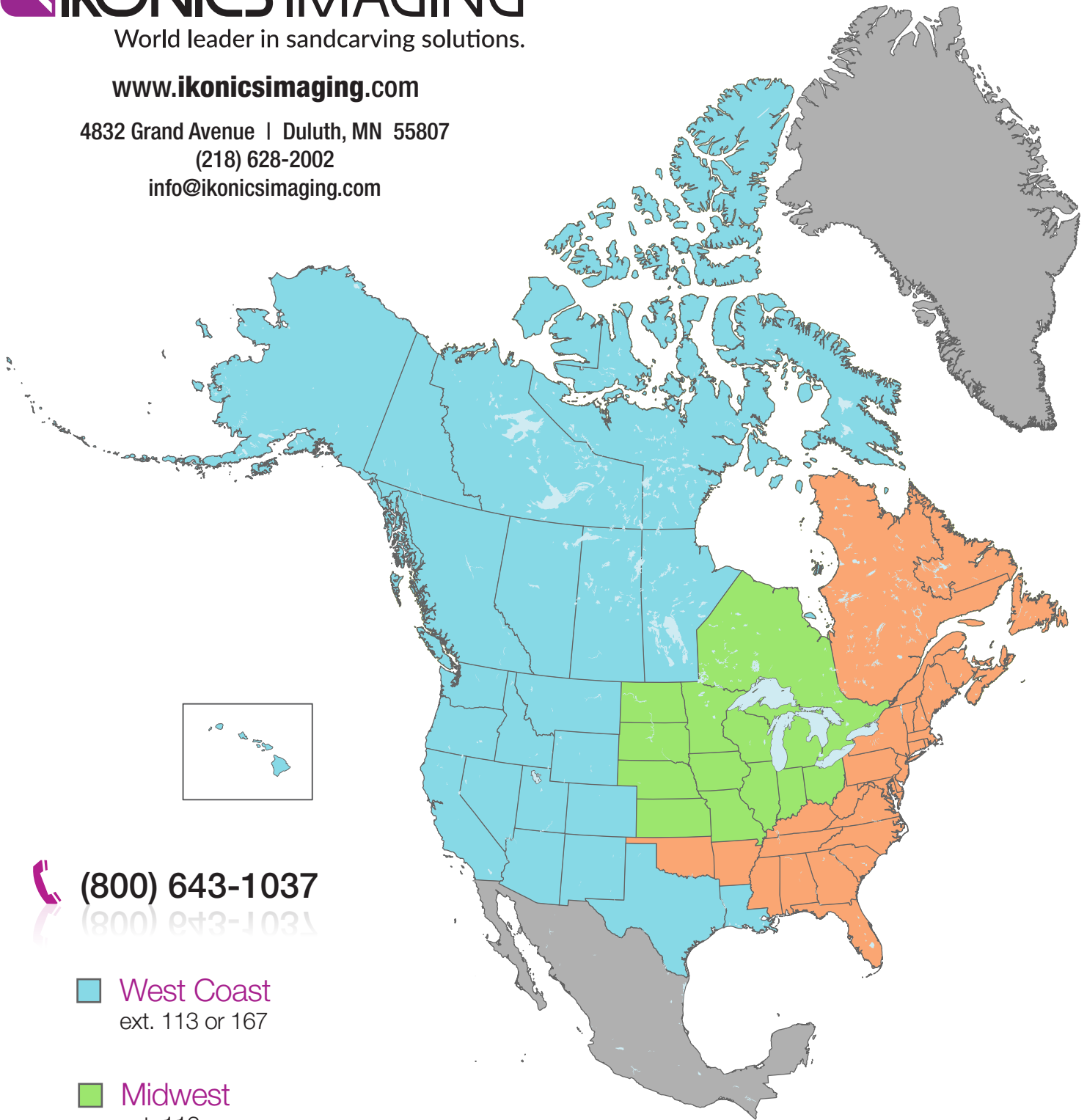
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